Sanitized Copy Approved for Release 2011/05/04 : CIA-RDP78-03642A000600090001-5

Timing device, clockwork multi-day

MEMORANDUM

CONFIDENTIAL

25X1 To:

Case: 58214-AB Date: December 4, 1953 Page: 1
QK-15-529

Subject: Tentative J-Feder Operating Instructions

The following is a set of tentative operating instructions for the J-Feder movement for transmission to the client. The writer shall continue to work toward developing suitable art work for a finished set of instructions.

OPERATING INSTRUCTION SHEET FOR THE J-FEDER CLOCK DELAY

I. Cocking

1. Remove shipping plug from end of case barrel by unscrewing counterclockwise.

2. Insert cocking plug into end of case barrel and seat firmly by screwing clockwise.

3. Depress cocking plug plunger until it can go no further and produces a distinct click of firing pin latch being set. Firing pin is now cocked, but clockwork is NOT ARMED.

4. Remove cocking plug by unscrewing counterclockwise and check the position of firing pin by inserting a finger into barrel. Firing pin should be no more than 1/8" above bottom of hole when properly cocked.

II. Winding the Clockwork

1. Remove bottom cap from large end of case by unscrewing counterclockwise.

2. Locate large winding drum under bottom cap and wind in a clockwise direction until it can go no further. Clockwork spring is now fully wound.

3. Locate starting ring around the case just below small, round window and turn counterclockwise, moving red arrow from "Stop" (STEHT) to "GO" (GEHT).

4. Look into small, round window to see mechanism running, as shown by back-and-forth movement of white dots on the balance wheel.

25X1 [redacted] .sm by returning starting ring, clockwise, STEHT) position.

25X1 [redacted]

CONFIDENTIAL

Sanitized Copy Approved for Release 2011/05/04 : CIA-RDP78-03642A000600090001-5

Sanitized Copy Approved for Release 2011/05/04 : CIA-RDP78-03642A000600090001-5

III. Setting the Time Dials

1. Locate small dial knob under bottom cap and inside the winding drum. Turn dial knob clockwise until required number of days shows in red numerals on bottom dial through small, round window.

2. Continue turning in a clockwise direction until required number of hours shows in black numerals on top dial through small, round window.

3. Continue turning SLOWLY in a clockwise direction until required number of minutes are shown by black lines on the upper dial. Each black line represents ten (10) minutes' delay.

4. With dial settings completed, replace the bottom cap by screwing clockwise. Seat firmly against the gasket.

5. DO NOT attempt delay settings of less than 30 minutes.

IV. Arming

1. Remove small, knobbed screw marked "BLIND" from case barrel by unscrewing counterclockwise.

2. Insert larger, knobbed screw, marked "SCHARF" and attached to case barrel by a chain, and screw tight by turning clockwise.

3. Clockwork is now COCKED AND ARMED; do not attempt to reset time dials without disarming by removing arming screw marked "SCHARF".

V. Inserting Primer

1. Remove plastic cap from end of primer snout.

2. Insert adapter-primer combination into barrel and screw tight by turning clockwise.

3. Clockwork is now COCKED, ARMED and PRIMED, ready to attach detonator and set in main charge.

25X1

By:

HFK/mac

Sanitized Copy Approved for Release 2011/05/04 : CIA-RDP78-03642A000600090001-5